

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	274	(reverse forward) near2 direction near3 (detect\$3 sens\$3 determin\$5) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 10:34
L2	4133	(reverse forward) near2 direction and (record\$3 and reproduc\$3) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 08:50
L3	18	(control\$4 near3 (detect\$3 sens\$3 determin\$5) near4 (reverse forward) near2 direction) and (record\$3 and reproduc\$3) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 08:53
L4	351	((detect\$3 sens\$3 determin\$5) near4 (reverse forward) near2 direction) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:03
L5	29	(control\$4 near5 (head transducer) near4 (forward reverse) near3 direction) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 08:54
L6	188	4 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:00
L7	6	("4737868").URPN.	USPAT	OR	ON	2005/11/07 09:02
L8	23349	sony near2 corporation.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:54
L9	25	4 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:04
L10	1	4 and (partial near2 response near2 class near2 ("4" four))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:11

L11	41	(linear helical) near3 tape near2 stream\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:12
L12	8	("4833549"   "4837640"   "5021896"   "5321561"   "5335117"   "5359462"   "5566032"   "5568328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/07 09:22
L13	550	(record\$3 reproduc\$3) near3 (accord\$4 depend\$3) near3 (direction forward reverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:55
L14	146	13 and tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 09:55
L22	502	(record\$3 reproduc\$3) and ((head transducer) near5 (forward reverse)) and (signal near2 process\$3) and (control\$4 near4 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 10:43
L23	1	("6480454").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/07 10:45
L24	1	("6922309").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/07 11:13
L25	1	22 and ((encod\$3 decod\$3) same (partial near3 class near3 (four "4")))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/07 11:14
S1	4	(evaporat\$3 near2 tape) and (oblique near3 anisotrop\$2) and (direction transport\$3 transfer\$4) near3 (foward reverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:51
S2	1	("20040057147").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/13 15:48
S3	4	tape same (oblique near2 anisotrop\$2) and (direction transport\$3 transfer\$4) near4 (forward reverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:50

S4	5	(evaporat\$3 near2 tape) and (oblique near3 anisotrop\$2) and (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:51
S5	532	(record\$3 reproduc\$3) same tape same (transfer\$4 transport\$3 moving) near4 (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:56
S6	3	S5 and (evaporat\$3 near2 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:54
S7	14	S5 and (tape near2 stream\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 15:56
S8	728	(record\$3 reproduc\$3) same tape same (head transducer) and ((transfer\$4 transport\$3 moving) near3 (reverse forward) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:05
S9	135	S8 and signal near2 processing	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:05
S10	135	S8 and signal near2 processing and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:13
S11	1	tape same (oblique near2 anisotrop\$2) and (control\$4 judg\$3) near4 (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:21
S12	3205	(record\$3 reproduc\$3) and (control\$4 judg\$3) near4 (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:23
S13	4	(record\$3 reproduc\$3) and (control\$4 judg\$3) near4 (processing near2 unit) near4 (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:23

S14	171	S12 and "369"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:24
S15	53	S12 and "369"/\$.ccls. and tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:37
S16	1	(evaporat\$3 near2 tape) and (determin\$3 control\$3 judg\$3) near5 (movement moving transfer\$4 transport\$3) near3 (forward reverse) near3 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:27
S17	22900	sony near2 corporation.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:37
S18	4703	S17 and ((record\$3 reproduc\$3) near2 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:40
S19	75	S18 and ((transfer\$4 transport\$3) near4 (forward reverse) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:41
S20	152	S17 and ((record\$3 reproduc\$3) same (evaporat\$3 stream\$3) near2 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:56
S21	2	S20 and ((transfer\$4 transport\$3) near4 (forward reverse) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 16:41
S22	1208	tape same control\$4 near4 (head amplifier) near5 (transport\$3 movement direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 17:02
S23	23	tape same control\$4 near4 (head amplifier) near5 (transport\$3 movement direction) near4 ((forward reverse) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/13 17:03

S24	1259	(record\$3 reproduc\$3) near3 (head transducer) same tape same (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:09
S25	1301	(record\$3 reproduc\$3) near3 (amplif\$4 head transducer) same tape same (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:08
S26	643	S24 and control\$4 near5 (amplifier signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 08:56
S27	3	S25 and (oblique near2 anisotrop\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 08:55
S28	421	S26 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 08:59
S29	1	(record\$3 reproduc\$3) near3 (amplif\$4 head transducer) same tape same control\$4 near4 process\$3 near5 (forward reverse) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:10
S30	1	(record\$3 reproduc\$3) near2 (system apparatus device) same tape same (oblique near3 anisotrop\$2) and (amplif\$4 near5 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:13
S31	7	(record\$3 reproduc\$3) near2 (system apparatus device) same tape same (oblique near3 anisotrop\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:14
S32	38687	(record\$3 reproduc\$3) near2 (system apparatus device) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:23
S33	38687	(record\$3 reproduc\$3) near2 (system apparatus device) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:28

S34	14040	S33 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:25
S35	1422	S34 and sony near2 corporation. as.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:56
S36	14	((record\$3 reproduc\$3) near2 (system apparatus device)) same tape same ((transport\$3 transfer\$4) near3 (forward reverse inward backward) near2 direction) same (amplif\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:40
S37	1	("6922309").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/14 09:41
S38	55535	tape same ((dds or digital near2 data near2 storage) or (dat or digital audio near2 tape) or (ait or advanced near2 intelligent near2 tape))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:42
S39	2472	S38 and sony near2 corporation. as.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:42
S40	24	S39 and (control\$4 near4 direction near4 (forward reverse))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:48
S41	18	(record\$3 reproduc\$3) same (forward reverse) near2 direction same (tape near3 stream\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:51
S42	6	tape same (helican near3 scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 10:35
S43	2819	(record\$3 reproduc\$3) same tape same (helical near3 scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 10:35

S44	3126	tape same (helical near3 scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 10:36
S45	40	S43 and (control\$4 and signal near2 process and (forward reverse) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 10:36
S46	244	"386"/\$.ccis. and ((record\$3 reproduc\$3) same tape same control\$4 near4 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 11:18
S47	3338	((record\$3 reproduc\$3) same tape same (control\$4 determin\$3 sens\$3 detect\$3) near4 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 11:21
S48	8971	((record\$3 reproduc\$3) same tape same (control\$4 determin\$3 sens\$3 detect\$3) near4 (speed direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 11:24
S49	21	S47 and (partial near2 response or PR4 PRL4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 11:22
S50	33	S48 and (line near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 11:25
S51	15	("4688115").URPN.	USPAT	OR	ON	2005/09/14 11:31
S52	2	("5550684").URPN.	USPAT	OR	ON	2005/09/14 11:48
S53	8	("4285017"   "4760475"   "4835628"   "5029022"   "5081548"   "5091805"   "5229890"   "Re31311").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 11:48
S54	1	("5844737").URPN.	USPAT	OR	ON	2005/09/14 11:49
S55	15	("4551840"   "4617599"   "4688115"   "4731839"   "4737866"   "4745486"   "4843485"   "4885458"   "4899147"   "4930024"   "5051848"   "5065261"   "5072316"   "5136391"   "5289324").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 11:49

S56	19	("4143406"   "4222079"   "4234896"   "4356517"   "4364096"   "4423441"   "4549229"   "4562491"   "4593392"   "4882638"   "5012361"   "5309290"   "5355229"   "5369641"   "5371750"   "5396374"   "5416651"   "5471355"   "5574570").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 11:51
S57	2	("6097876").URPN.	USPAT	OR	ON	2005/09/14 11:52
S58	2	("6349012").URPN.	USPAT	OR	ON	2005/09/14 11:53
S59	10	("5465180"   "5740306"   "5825971"   "5878010"   "6014278"   "6038094"   "6091561"   "6097876"   "6104862"   "6115531").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 11:56
S60	15	("4551840"   "4617599"   "4688115"   "4731839"   "4737866"   "4745486"   "4843485"   "4885458"   "4899147"   "4930024"   "5051848"   "5065261"   "5072316"   "5136391"   "5289324").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 11:58
S61	15862	(control\$4 near4 (reverse backward forward) near3 (direction path))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:10
S62	14702	(control\$4 near4 (reverse backward forward) near3 (direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:57
S63	1373	S62 and (tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:10
S64	191	S63 and (helical oblique)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:19
S65	8	("4274118"   "5313347"   "5343342"   "5384676"   "5481414"   "5502606"   "5504642"   "5585982").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 13:16
S66	0	("5963388").URPN.	USPAT	OR	ON	2005/10/11 13:16



S67	1	S63 and (anisotrop\$2 near5 (oblique helical))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:20
S68	1	S63 and (anisotrop\$2 same (oblique helical))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:20
S69	115	S62 and "386"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:57
S70	20704	(control\$4 near4 (reverse backward clockwise conuterclockwise counter\$1clockwise forward) near3 (direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:58
S71	760	tape same (control\$4 near4 (reverse backward clockwise conuterclockwise counter\$1clockwise forward) near3 (direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 13:58
S72	109	S71 and (helical oblique)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:17
S73	3	("5442493").URPN.	USPAT	OR	ON	2005/10/11 14:08
S74	12	("4099211"   "4106065"   "4172265"   "4404605"   "4420778"   "4486796"   "4821129"   "4835628"   "4843495"   "4845577"   "5050108"   "5251077").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 14:14
S75	1	(evaporat\$3 near2 tape) same (helical near3 stream\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:22
S76	2	(evaporat\$3 near2 tape) and (helical near3 stream\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:23

S77	1	(helical near3 stream\$3) and (control\$3 near3 (reverse clockwise counter\$1clockwise backward forward) near3 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:24
S78	997	(helical near3 stream\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:26
S79	42	S78 and control\$3 near4 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:25
S80	3441	tape same stream\$3 same (record\$3 reproduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:28
S81	281	tape same stream\$3 same (record\$3 reproduc\$3) and control\$3 near5 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:46
S82	23155	sony near2 corporation.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:46
S83	74	S82 and (evaporat\$3 near2 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 14:53
S84	5	S82 and (helical near4 streamer)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 15:01
S85	0	("6008961").URPN.	USPAT	OR	ON	2005/10/11 15:00
S86	8	("4833549"   "4837640"   "5021896"   "5321561"   "5335117"   "5359462"   "5566032"   "5568328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 15:00
S87	64	S82 and (vga and (record\$3 reproduc\$3) and process\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/11 15:04

S88	10	("5465180"   "5740306"   "5825971"   "5878010"   "6014278"   "6038094"   "6091561"   "6097876"   "6104862"   "6115531").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 15:18
S89	3509	(tape and ((head transducer) same (reverse backward forward) near3 direction) and (control\$4) and (judg\$4 determin\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 12:33
S90	1	S89 and (anisotrop\$2 same (oblique helical))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 12:37
S91	793	S89 and (signal near2 process\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 12:40
S92	331	S91 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 13:25
S93	766	(control\$4) same (signal near2 process\$3) same (reverse forward) near2 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 13:29
S94	5	(control\$4) near4 (signal near2 process\$3) same (accordance depend\$3) near4 judg\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 14:51
S95	1074	(control\$4) near4 (signal near2 process\$3) same judg\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 13:29
S96	1	S94 and (tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 14:05
S97	110	S95 and (tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 14:05
S98	5	("5663845").URPN.	USPAT	OR	ON	2005/10/31 14:19

S99	3	("5751890").URPN.	USPAT	OR	ON	2005/10/31 14:26
S10 0	3	(record\$3 reproduc\$3 read\$3) same (parallel near3 track) same ((reverse and forward) near2 direction) near5 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:02
S10 1	9709	(record\$3 reproduc\$3 read\$3) same (parallel near3 track)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:13
S10 2	3701	S101 and tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:03
S10 3	1	S102 and (control\$3 near4 signal near5 (accordance depending) near4 ((reverse forward) near2 direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:37
S10 4	16	(control\$3 near4 signal near5 (accordance depending) near4 ((reverse forward) near2 direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:43
S10 5	1977	S102 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:37
S10 6	1	S105 and (judg\$5 near3 direction near3 (reverse forward))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:56
S10 7	847	tape same (forward reverse) near4 (head transducer) same (control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:44
S10 8	432	S107 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 15:45
S10 9	106	S108 and (signal near2 process\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:20

S11 0	1788	(record\$3 reproduc\$3 read\$3) near2 (apparatus device tape) and (control\$4 near4 (reverse forward) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:19
S11 1	532	(record\$3 reproduc\$3 read\$3) near2 (apparatus device) and tape and (control\$4 near4 (reverse forward) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:20
S11 2	365	S110 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:20
S11 3	177	S111 and (signal near2 process\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/10/31 16:21
S11 4	459	(control\$4) near4 (head tranducer) near4 (direction forward reverse) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 11:04
S11 5	81	S114 and "386"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 11:03
S11 6	14	S114 and "369"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 11:03
S11 7	317	S114 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 11:03
S11 8	20	(control\$4 judg\$3) near4 (head tranducer) near4 (forward reverse) near2 direction same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 12:14
S11 9	5667	(tape) same ((travel forward reverse) near3 direction) same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 12:21

S12 0	526	(tape) near4 ((travel forward reverse) near3 direction) near4 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 12:54
S12 1	1	("20040057147").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 14:47
S12 2	295	S120 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 13:41
S12 3	3	((vertical longitudinal) near2 record\$3) same tape near4 (direction movement moving travel) near3 (forward reverse) near5 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:11
S12 4	579	tape near4 (direction movement moving travel) near3 (forward reverse) near5 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:19
S12 5	378	tape near2 (direction movement moving travel) near3 (forward reverse) near5 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:12
S12 6	219	S125 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:13
S12 7	15	(detect\$3 judg\$3) near3 tape near4 (direction movement moving travel) near3 (forward reverse) near5 control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:22
S12 8	146	(detect\$3 judg\$3) near3 tape near4 (direction movement moving travel) near3 (forward reverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:22
S12 9	191	tape and control\$4 and (travel speed direction) and (forward and reverse) and (judg\$5 determin3) and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 14:49

S13 0	71	S129 and (helical oblique anisotrop\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:08
S13 1	3180	tape and (determin\$3 detect\$3 judg\$3 control\$4) near4 (speed direction movement) near4 (forward reverse backward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:12
S13 2	1324	tape same (determin\$3 detect\$3 judg\$3 control\$4) near4 (speed direction movement) near4 (forward reverse backward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:16
S13 3	1	S132 and (thermal near2 asperit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:14
S13 4	2	S132 and ((recording near2 current) near5 reverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:15
S13 5	857	tape same ((determin\$3 detect\$3 judg\$3 control\$4) near3 (speed direction movement) near2 (forward reverse backward))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:23
S13 6	0	S135 and (control\$4 near4 current near5 (greater higher) near4 (reverse near2 direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:25
S13 7	336	S135 and (control\$4 near9 (reverse near2 direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:39
S13 8	8	("4766507").URPN.	USPAT	OR	ON	2005/11/01 15:34
S13 9	168	S135 and (signal near2 process\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:39
S14 0	1	("6122129").URPN.	USPAT	OR	ON	2005/11/01 15:44
S14 1	38	("5448430").URPN.	USPAT	OR	ON	2005/11/01 15:48

S14 2	2091	360/73.04,73.11,74.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:57
S14 3	774	S142 and (magnetic near2 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:58
S14 4	62	S143 and (sony near2 corporation)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/01 15:58
S14 5	10	(forward reverse) near2 direction near3 encoder same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 08:28
S14 6	1	transfer\$3 near2 tape near4 (forward near4 reverse) near3 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 08:30
S14 7	45	transfer\$3 near2 tape near4 (forward reverse) near3 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 08:51
S14 8	4381	(tape and (transfer\$4 capstan driv\$3) and ((record\$3 writ\$3) near2 (head transducerd)) and (control\$4) and (signal near2 processing))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 09:07
S14 9	2	S148 and (judg\$5 near5 (transfer\$4 near2 direction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 09:05
S15 0	719	(tape and (transfer\$4 capstan driv\$3) and ((forward reverse) near2 direction) and ((record\$3 writ\$3) near2 (head transducerd)) and (control\$4) and (signal near2 processing))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 09:09
S15 1	371	S150 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 09:10



S15 2	6	S151 and (judg\$5 near3 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 10:30
S15 3	20	("4550345").URPN.	USPAT	OR	ON	2005/11/02 09:22
S15 4	1	tape and (control\$4) near4 (judg\$5 determin\$3) near4 (transfer\$4 near2 direction) near4 (reverse forward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:10
S15 5	15	tape and (control\$4) near4 (judg\$5 determin\$3) near4 (transfer\$4 near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:12
S15 6	21	tape and (control\$4) near4 (judg\$5 determin\$3) near4 ((reverse forward) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:15
S15 7	24	tape and (preamp1\$4) and (head transducer) and control\$4 and ((reverse forward) near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:22
S15 8	7	tape near3 (reverse forward) and thermal near2 noise	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:18
S15 9	26	("5287478").URPN.	USPAT	OR	ON	2005/11/02 12:20
S16 0	9	tape and (reverse near2 direction) same (current near2 (greater larger)) same (forward near2 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:25
S16 1	161	tape and (partial near2 class near2 ("4" or four))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:26
S16 2	20	S161 and ((reverse forward) near3 (direction transfer\$4 movement))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:26

S16 3	221	(control\$4) near4 (detect\$3 determin\$3 sens\$3) near3 (travel movement direction) near3 tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:38
S16 4	232	(control\$4) near2 (detect\$3 determin\$3 sens\$3) near2 (travel movement direction) same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:39
S16 5	75	S164 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/02 12:44
S16 6	0	("5920676").URPN.	USPAT	OR	ON	2005/11/02 13:00
S16 7	3	("5319500"   "5359462"   "5684916").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 13:00
S16 8	0	("5963388").URPN.	USPAT	OR	ON	2005/11/02 13:01
S16 9	8	("4274118"   "5313347"   "5343342"   "5384676"   "5481414"   "5502606"   "5504642"   "5585982").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 13:01
S17 0	20	("4392162"   "4484236"   "4656527"   "4864430"   "4887169"   "4912571"   "4955022"   "5016119"   "5050010"   "5121265"   "5138501"   "5148331"   "5187589"   "5225946"   "5239381"   "5239418"   "5272574"   "5319500"   "5398138"   "5659400").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 13:02
S17 1	0	("6754026").URPN.	USPAT	OR	ON	2005/11/02 13:03
S17 2	22	("3809335"   "3851116"   "3984868"   "4065074"   "4139870"   "4377826"   "4448368"   "4461433"   "4731679"   "4743811"   "4809096"   "4811131"   "5298841"   "5371449"   "5383069"   "5467233"   "5663845"   "5696642"   "5712539"   "5717537"   "5731672"   "6188539").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 13:03
S17 3	1	("5912780").URPN.	USPAT	OR	ON	2005/11/05 10:32

S17 4	15	control\$4 near4 (signal near2 process\$3) near5 (accord\$4 depend\$3) near3 (direction travel\$3 reverse forward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/05 10:52
S17 5	7279	control\$4 near4 (signal near2 process\$3) same (direction travel\$3 reverse forward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/05 10:37
S17 6	871	control\$4 near4 (signal near2 process\$3) near4 (direction travel\$3 reverse forward)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/05 10:38
S17 7	89	S176 and tape	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/05 10:38
S17 8	2	("4899233"   "5121259").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/05 10:42
S17 9	49	tape near4 (forward reverse backward) same (control\$4 near4 (determin\$3 judg\$4 detect\$3) near3 direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/11/05 10:54